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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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S-E-C-R-E-T

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COUNTRY	USSR (Ukrainian SSR)	REPORT	
SUBJECT	Port of Zhdanov and Installations in the Kerch Strait	DATE DISTR.	28 February 1957
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DATE OF INFO.		REFERENCES	
PLACE & DATE ACQ.			

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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reports on the port of Zhdanov and installations in the Kerch Strait

Attachments:

1. A three-page report with a sketch of the facilities of the port of Zhdanov, and mention of shipyards at Kamysh-Burun.
2. A three-page report of port facilities and installations at Zhdanov, and mention of a harbor and chemical plant at Kamysh-Burun; two sketches of the port of Zhdanov and one of Kamysh-Burun are included in this report.
3. Two pages of information on the Kamysh-Burun area and ship sightings south of Feodosiya; one vessel sighted was a SVERDLOV-class cruiser.
4. Four pages of information on the port of Zhdanov, facilities in the port, and ship sightings in the Kerch Strait, including sighting of minesweepers and torpedo boats were observed in the Sea of Azov.
5. A five-page report, with a sketch of the Kerch Strait, which gives various information on ports, navigation, and military objects in the Kerch Strait, including observation of artillery, fuel storage tanks, searchlights, ferryboats, possible radar antennas, and vessels in the Kamysh-Burun area had HIGH SIEVE-type antennas.
6. Supplement to Attachment No. 5, with sketch of cranes observed at Kerch and descriptions of other objects observed.

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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

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INFORMATION BULLETIN

ATT#4

COUNTRY: The Soviet Union.

SUBJECT: The Port of ~~MARIUPOLE~~ ZHDANOV

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I. ORGANIZATION: (See attached drawing).-

- A. A mole for loading coal. This mole is equipped with four cranes, one of which is a small one of approx. 3 tons in hoisting power.
- B. A mole. Large quantities of pig iron were observed on this mole.
- C. The mole of a SILO.
- D. Position of a shipyard. It is not known if this shipyard is functioning or if it is still in the process of being built. The iron-beam skeleton of a building was seen there. The glimmering of welding work could be seen at nights.
- E. The main entrance to the harbor.
- F. A secondary entrance to the harbor.
- G. A protective breakwater. Stones were seen being placed on this breakwater.

A floating, towed steam-driven hammer was observed working along the bank between moles A and B. This was placing approx. 20 meter long concrete pegs.

- H. Pegs 30 X 45 cm thick and 20 meters long, similar to those being

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already placed and those to be placed, were observed laying ready for use along the entire breakwater. The purpose of placing these pegs on both sides of breakwaters and moles, is [REDACTED]

[REDACTED] to protect same from corrosion and faults caused by the muddy bottom.

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II. MEANS OF NAVIGATION:

The following means of navigation were observed in the harbor:

3. A floating dry-dock. An approx. 2,500 ton vessel was launched from this dry-dock [REDACTED] The area where this dry-dock was, was blocked by buoys.
4. A MAGGANO type dredger, working.
5. Another MAGGANO type dredger; it was observed that this, too, was working.

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Two more MAGGANO type dredgers were observed working at the main entrance to the harbor, in addition to the above two dredgers.

III. NEW TYPES OF CARGO SHIPS:

[REDACTED] in the harbor of MARIUPOL, [REDACTED]

[REDACTED] Soviet ships of the

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following types:

- a) Diesel-engined, iron vessels of approx. 2,000 tons in capacity. The bridge, the engine room and the compartments of these ships were in the stern.

The above ships are divided into three holds. Each hold closes with two covers that are lifted up by the winches of the ship, when loading or unloading is to take place.

There are two poles in the space on the deck, between the holds. Each

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pole supports two winches (derricks) serving the holds on both sides.

The bow of these ships is straight and leans forward, while the stern is [] (**balanced**).

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The plates of the vessel are welded together. Only the points where the plates touch the timbers show nailings.

The speed of these ships was observed to be, when these are laden, about 3 miles p.h.

- b) 3,000-3,500 ton steam-driven vessels made of iron, with the engine room in the stern and the bridge in approximately the middle of the vessel. The rest of the features are similar to the ones discribed above.

[] forty (40) ships in all of both types.

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IV. GENERAL INFORMATION:

The city is about 40 minutes by street car from the harbor. The damages caused by bombing and blowings-up during World War II, are still evident. The city is being built on a new plan and the buildings bear signs showing the year (1949-1954) same were built. A factory was seen in the southern part of the city. This had about thirty smoke-stacks, probably made of iron and not large in diameter. [] this is a foundry. Ore is transported to this factory by ships directly from POTI. A new, large factory was observed being built further south. This had many smoke-stacks.

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V. WAR VESSELS OBSERVED:

A mine-sweeper [] was observed at the entrance to NERCH Strait. Two more mine-sweepers [] were later on observed in the Strait. These were engaged in mine-sweeping with "ducklings".

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25X1

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ATT #4

Four small torpedo boats were seen in the same area and near the exit to the Azov Sea. Each one bore two torpedo tubes.

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VI. THE HARBOR OF KERCH:

A 2,000-2,500 ton vessel was observed on the land in the southern part of the harbor of KERCH. [REDACTED] the above ship was either on a floating dry-dock or on a sliding board. Two cranes were seen there near the ship.

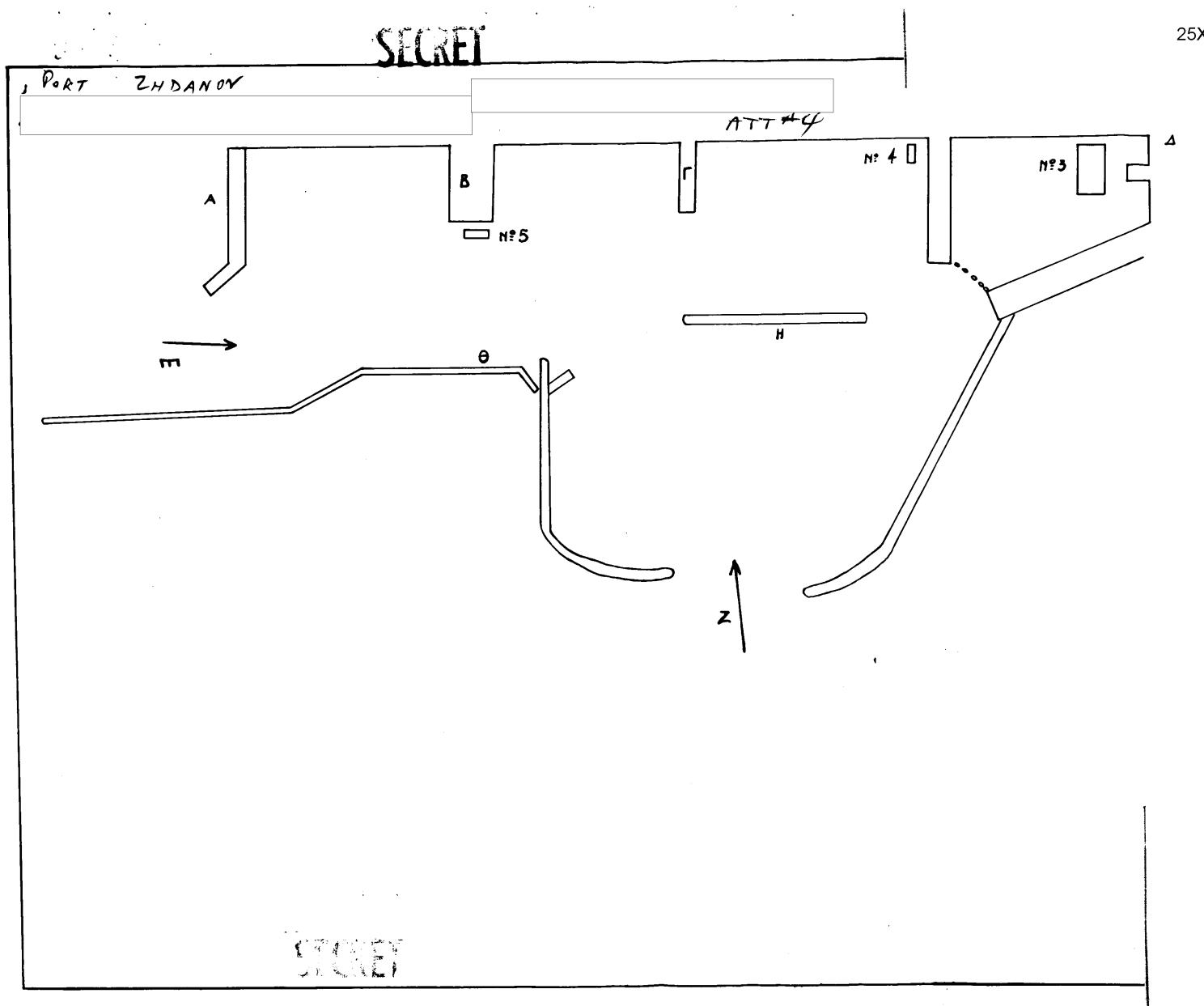
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INFORMATION BULLETIN

25X1

ATT # 3

COUNTRY: The Soviet Union.

SUBJECT: The KAMISH BURUNSKI area.

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I. ORGANIZATION: (See Attached Drawing).-

- A. Position of a protective breakwater. Small vessels were observed on the inner side of this breakwater. Three cranes of 15 tons in hoisting power, were there on the mole of this small harbor.
- B. Area where two factories with 3-4 smoke-stacks each, were observed. It is not known what these factories produce.
- C. Position of two large portal cranes, used to load ore on railroad cars. These railroad cars then take the ore to a little harbor, where it is loaded on vessels bound for MARIUPOL.

II. GENERAL INFORMATION:

[redacted] a ferry-boat, 25X1
having two funnels on the stern and a square bridge in the space between the two funnels. This was about 100 meters long and more than 15 meters wide. This was transporting railroad cars.

[redacted] the above ferry-boat makes trips between points 25X1
D and D' (see attached drawing)

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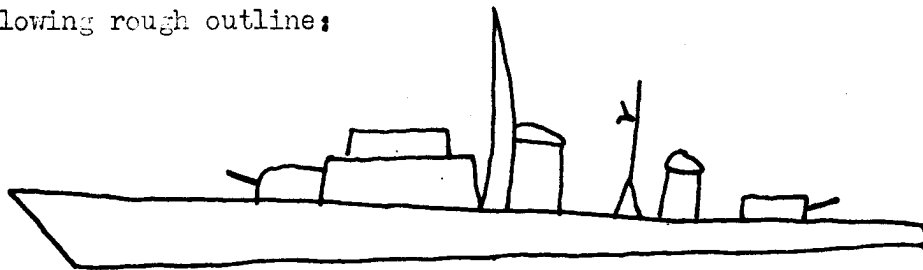
ATT#3

The above points, D and D', have been properly arranged for the ferry-boat to dock.

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III. WAR VESSELS OBSERVED:

[redacted] 25X1
observed [redacted] 4-5 Soviet destroyers of approx. 2,000 tons in capacity, that were doing spiral manoeuvres. These were of the following rough outline:



Another Soviet war ship was observed south of THEODOSIA. This was about 15-20,000 tons [redacted] and was engaged in performing spiral excercises (sharp turns) at a great speed. [redacted] this war vessel resembled the SVERDLOV type.-

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25X1

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DIAGRAM 1

25X1

25X1

ATT #3



KAMISK - BURUNSKI

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25X1

[REDACTED]
ZHDANOV
SUBJECT: KAMISK BURUNSKI - MARIUPOL

25X1

ATT #2

THREE DRAWINGS ARE SUBMITTED.

GENERAL INFORMATION

I. KAMISK BURUNSKI

A. [REDACTED] a small harbor has been built at this position. 25X1

Small ships were seen in this small harbor, while three cranes of approx. 15 tons in hoisting power were there on the mole.-

B. Area where two factories were seen, each one having 3-4 smoke-stacks. 25X1

[REDACTED]
the odor of chemical gases.-

C. Position of two large portal cranes; used for the loading of ore on railroad cars that take the ore to a little harbor. The ore is then loaded on ships bound for MARIUPOL.- 25X1

[REDACTED] a ferry-boat that was 100 meters long and more than 15 meters wide. This was carrying railroad cars. The passengers on board were seated towards the sides of the vessel. The above ferry-boat had two funnels sternwards - one on each side - and a square bridge built between the two funnels.- 25X1

[REDACTED] the above ferry-boat makes trips between little harbors seen at points D and D'. (see drawing).- 25X1

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25X1

- 2 -

ATT #2

The above two small harbors consist externally of two breakwaters (moles) each one of which is about 300 meters long. Internally, these consist of two small jetties built of poles, in which the ferry-boat enters. The opening between the two inner jetties, is exactly the breadth of the ferry-boat.-

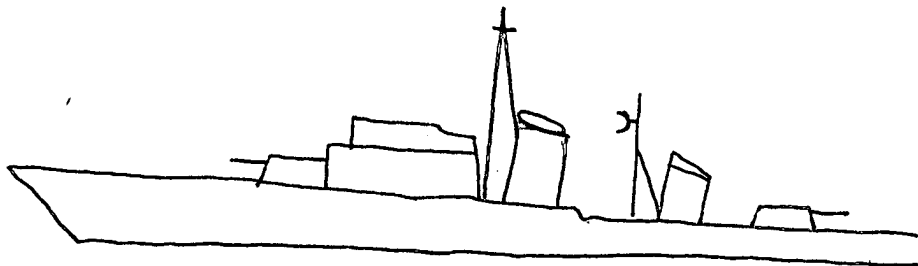
25X1

[redacted] observed [redacted]
[redacted] 4-5 Soviet war vessels of approx. 2,000 tons in capacity each, performing spiral manoeuvres. [redacted]

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[redacted] A rough drawing
of the above vessels is given herebelow. Details are not available on account of the great distance of observation.-

25X1



[redacted] observed another Soviet war vessel south of THEODOSIA. This was about 15-20,000 tons in capacity [redacted] and was doing spiral exercises (sharp turns) at a great speed. [redacted]

[redacted] the above vessel resembled the SVERDLOV type vessels.-

25X1

II. MARIUPOL

The floating warehouses [redacted]
were not in the harbor. At any rate, [redacted] these were not floating repair shops for they had no funnel, but floating square [redacted] that bore a wooden structure that covered practically the entire surface (deck) of the vessels.-

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25X1

- 3 -

ATT #2

E. A quite large floating dry-dock was observed at this position. The

25X1

[redacted] area where this dry-dock is, is blocked by buoys.-

25X1

F. [redacted] observed a small factory being to the right of the floating dry-dock. This looked rather like a small ship-yard.-

A factory with about 30 smoke-stacks was observed [redacted] in the southern part of the city of MARIUPOL. It is most probable that the smoke-stacks which were not large in diameter, were made of iron.

25X1

[redacted] this was a foundry. Ore is taken to this factory by ships directly from POTI.

25X1

Another factory with many smoke-stacks was observed being under construction further south.-

[redacted] observed small iron vessels of 1,000-2,000 tons in capacity, having the bridge in the middle of the deck or on the stern. A number of these vessels were Diesel-engined, while the rest were steam-driven.-

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The above vessels are divided into 3 or 4 holds, each one of which closes with two sliding covers.-

The bow of these ships was shaped like a cleaver, while the stern was elleptic.-

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[redacted]

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[redacted]

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DIAGRAM 8

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ATT # 2

B

A

B

r

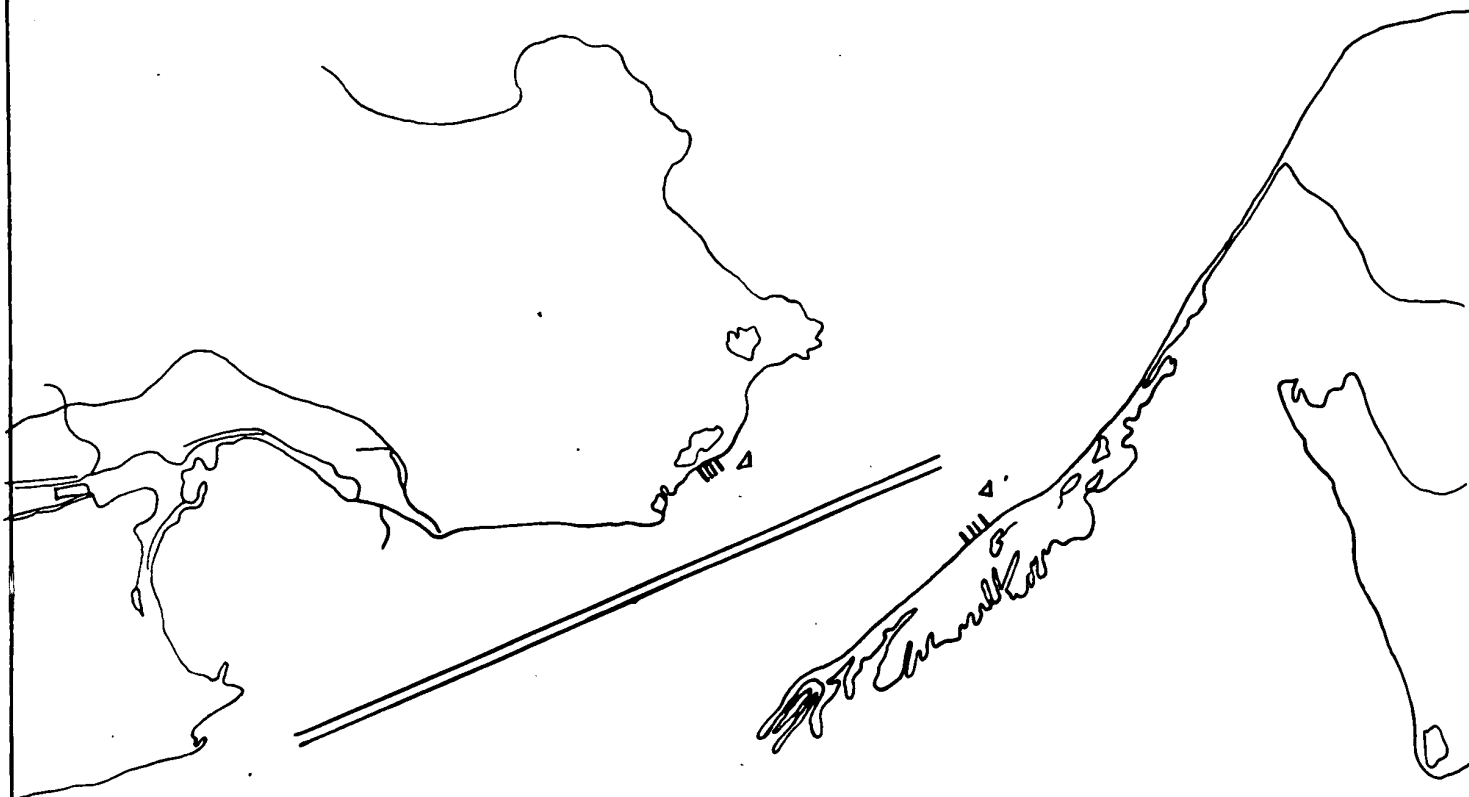
KAMISK - BUPL.

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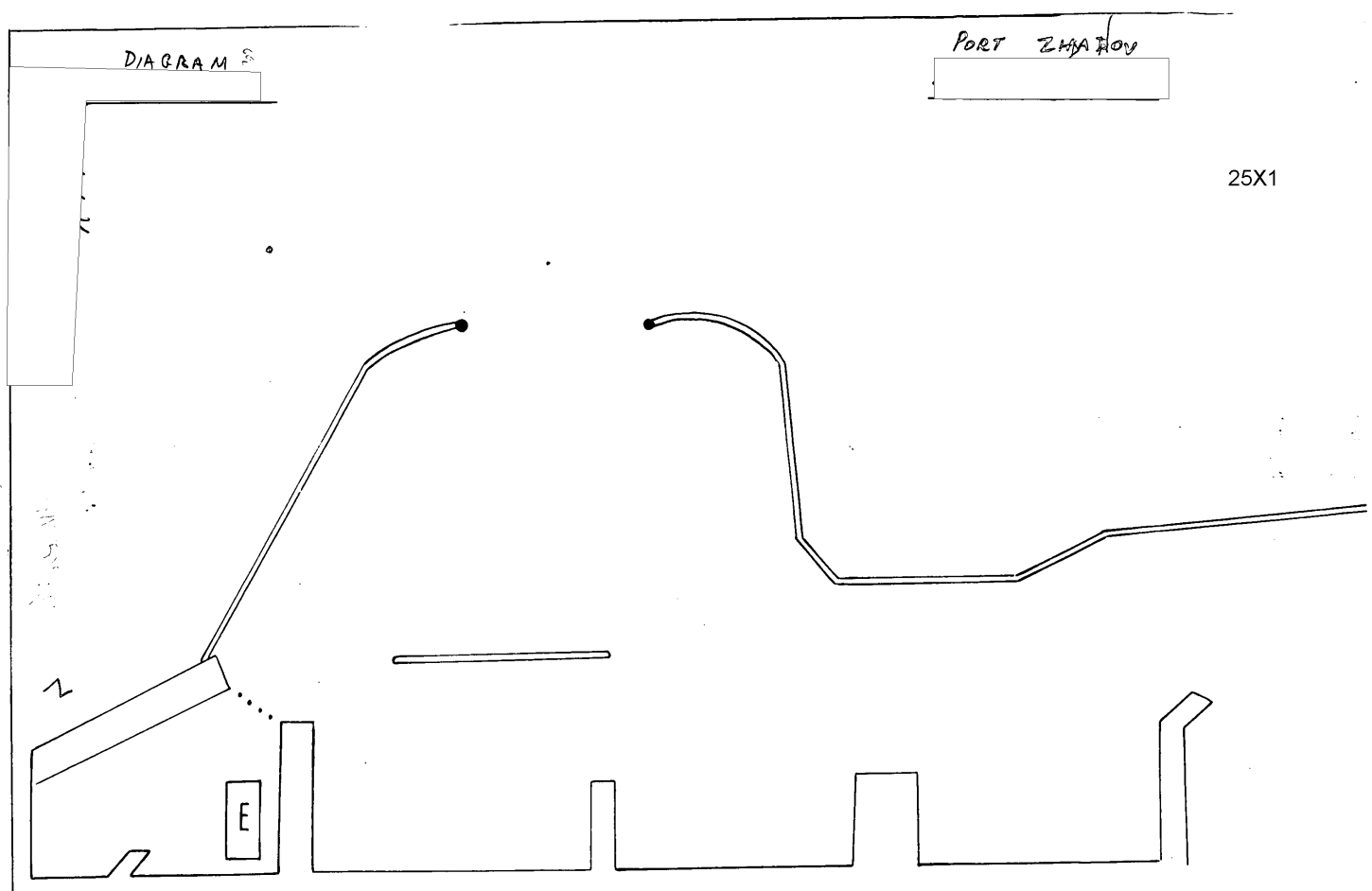
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DIAGRAM 2

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INFORMATION BULLETIN

ATT #1

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COUNTRY: Soviet Union

SUBJECT: The Port of ZHDANOV

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I. ORGANIZATION (See Attached Drawing).-

1. Main entrance to the harbor.-
2. A jetty consisting of a double line of round wooden poles (a-b). It is possible for a warf to be built in the between. A sunken iron lighter, part of which protruded through the surface of the sea, was sighted near point b.-
3. Another jetty (b-c) made of cement [redacted] It was evident that this had been built recently, as the mold boards on both sides had not yet been removed. Its width ranged between 1,20 and 1,50 meters.-
4. Old iron pieces of wrecked vessels were sighted at the angle of the jetty in question (point d).-
4. A secondary entrance to the harbor, used by small vessels. Its depth rather small.-
5. Position where a line of poles was sighted.-
6. A sunken iron vessel protruding through the surface of the sea.-
- 7-7a. Two sunken barges protruding through the sea. [redacted]

25X1

[redacted] these are floating workshops-warehouses.- 25X1

8. A narrow, built breakwater.-

25X1

ATT#1

25X1

9. Various buildings. These seemed as if they had been abandoned. Two of these consisted of only the skeleton. It is possible that these are former small shipyards not used at present.-
10. A mole, on which old iron pieces were sighted. A wire fence resembling a blocking, extended from the end of the mole towards the shore across.-
11. A mole in front of a SILO.-
A railroad station is there in the rear, between moles 10 and 11.-
12. A mole, on which piles of coal (dust) were sighted. Three cranes were there on each end of this mole. It is possible that there were four cranes on the northern end.-
13. A building housing the pilot service and the INFLOT.-
14. Parts of cranes (bases, etc.) painted in minium, probably being assembled.-
15. A large, four-story building used as Sanatorium. [redacted]
[redacted] this building is being used by people on vacation.- 25X1
16. A mole containing: a) five cranes equipped with folding jibs. These are 5 - 15 tons in hoisting power and are used for loading vessels.
b) two cranes equipped with folding jibs, These are used to unload coal from railroad cars nearby, to load it on vessels.-
17. A mole equipped with three electric cranes of approx. 15 tons in hoisting power, travelling on iron tracks. The bases of these cranes were very wide, their width - about 10 meters - being equal to the width of the mole. Three railroad tracks go under these cranes.-
Loading of vessels at this mole, is done by special wagons of about 10 tons in capacity. The wagons, detached from their wheels, are lifted by the cranes and are moved to a point over the holds of the ship, where they open up and empty their content.-

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18. Position where large groups of factories with many smokestacks, were sighted. Groups of 4-5 smokestacks being near each other, were sighted at certain points.-

24. Four (4) fanals, being within the harbor area.-

II. MEANS OF NAVIGATION.-

The following means of navigation were observed within the harbor.-

19. Four large tug-boats.-

20. Two small tankers. These were tied down by their stern and were empty.-

21. A MAGGANO type dredger, working.-

22. Two more MAGGANO type dredgers, not working.

One of these was towed [] to work at position No. 5.-

25X1

23. A floating concrete dry-dock that can take vessels of up to about 1,200 tons.-

III. GENERAL INFORMATION.-

Shipyards were sighted at KAMISH BURUNSKI, equipped with many cranes.

It was not possible [] to determine the exact number of ^{slipways} sliding boards and if there were any vessels on them.-

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[] KAMISH BURUNSKI [] the

25X1

odor of chemicals, possibly coming from a nearby plant manufacturing chemical products, fertilizers, etc.-

The depth of the Kerch Strait is 23 feet.-

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INFORMATION BULLETIN

ATT#5

COUNTRY : Soviet Union

SUBJECT : Port KERCH and KAMISH BURUNSKI Area

[REDACTED]

I. ORGANIZATION (See attached drawing).-

CRANES

KAMISH BURUNSKI AREA

A. A little harbor with two or three cranes was sighted.

PORT KERCH AREA

The harbor has 21 cranes of about 10 tons in hoisting power each. These, due to their great height, could be seen over the buildings in front of them.

Four enormous cranes of a shape never seen before, were sighted near the harbor of KERCH. These stood on a line extending from the sea toward the interior. [REDACTED] the length of the main jib of each crane, was about 100 meters.

FUEL TANKS

B. Six large fuel tanks painted in aluminum, were sighted along the shore. Each one was surrounded by a square stone wall.

II. GENERAL INFORMATION

FACTORIES

N. Two one-story, tile-covered buildings which, [REDACTED]

ATT#5

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[redacted] were factories. [redacted] these looked like warehouses more than anything else, as [redacted] no smoke-stacks, nor [redacted] any workers moving around outside the buildings.

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I-K. Area in which a large factory was sighted. This had a large and very tall smoke-stack.

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[redacted] the above factory is a foundry equipped with a blast furnace to melt all kinds of ore and make sheet iron for the ships.

Two large buildings with three smoke-stacks, were also sighted in this same area.

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III. MEANS OF NAVIGATIONSea communications

Two brand-new ferry-boats are used to take passengers from YENIKALE to CNUSNKA (points M - N). These are about 80-85 meters long and are painted white. Another ferry-boat was sighted, docked in the area of CNUSNKA (point N). This was a very broad one and its length was equal to that of 3-4 large railroad cars. Two trains (?) placed in parallel line with each other, were there on it.

IV. SHIPYARDS

[redacted] a shipyard 25X1

is there in the area between point K and the harbor.

V. COAST DEFENCEProtection of the Shores

Army guards were sighted in the entire area from point C (Cape BURNU) to YENIKALE (point D). These wore khaki uniforms, they were not armed and they were placed at about 150 meters' distance from each other. A fox-hole was there near each guard.

Coast artillery

Two guns were sighted near the guard at YENIKALE. These were quite large in size, 8-10 inches in muzzle diameter. Only part of their berrel was visible.

Search-light

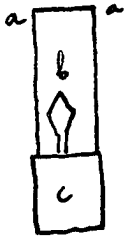
A long range search-light was sighted in the YENIKALE area.

Possible poisition of a Radar

An apparatus resembling a Radar antenna was sighted in the same area (YENI-KALE). A sketch of it is given herebelow;

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a. Antennas. Each was $\frac{2}{3}$ the height of the base.

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b. Main antenna, shaped like a cone. Their height was $\frac{1}{2}$ to that of antennas a.

c. Solid iron base, painted in lead, less than 100 meters in height.

Restricted area

With regard to area from point B to point П ,

ships were not allowed to come closer than

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12 miles from it.

VI. SIGHTED WAR VESSELS

The masts of war vessels were sighted behind the breakwater of the harbor of KERCH

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VII. SIGHTED CARGO SHIPS

A Soviet cargo ship named DON (Barisa type) was sighted coming out of basin A of the KAMISH BURUNSKI area. This was about 2,500 tons, laden, possibly carrying ore (this used coal)

Hand drawing of vessel:



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- 5 -

ATTN#

Three ships then came out of the same basin. These, too, were laden and were of the same type with DON (these used oil).

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All these ships had four holds and double poles each one of which supported two hoists. Their bridge was amidships and the engine room in the stern. These bore a Radar antenna that resembled that of the HIGH SIEVE type.

Z. A Soviet cargo ship was anchored in this position within the Straits.

This was laden, resembled the DON and was manoeuvring to sail away.

In the harbor of KERCH, [] sighted seven cargo ships, three of which were of the German type (with five holds). One of the latter was under the hangar. All these ships were of more than 8,000 tons in capacity. Also, sighted in the harbor, was a white Soviet passenger ship.

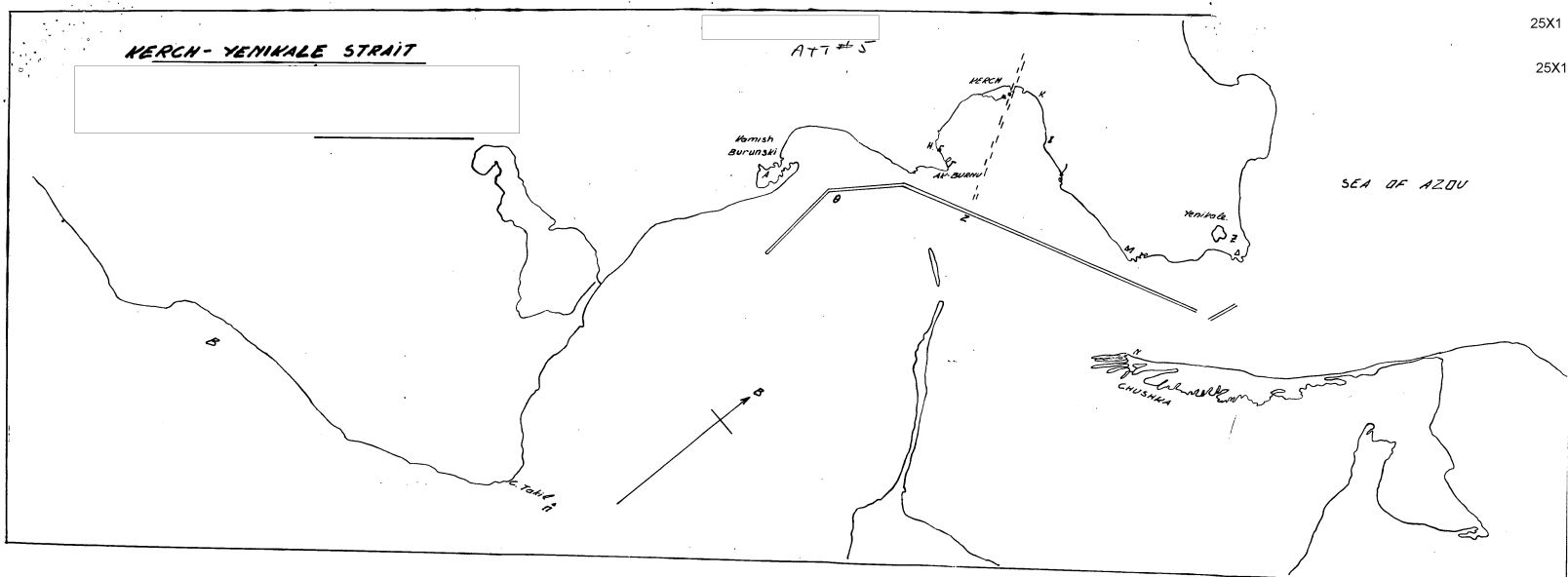
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Two small tankers were sighted in the outer harbor of KERCH. These were old ones, 500-1,000 tons in capacity each.

Fifteen vessels were anchored in front of area I-K. These empty, rather old ones, 500-1,000 tons in capacity.-

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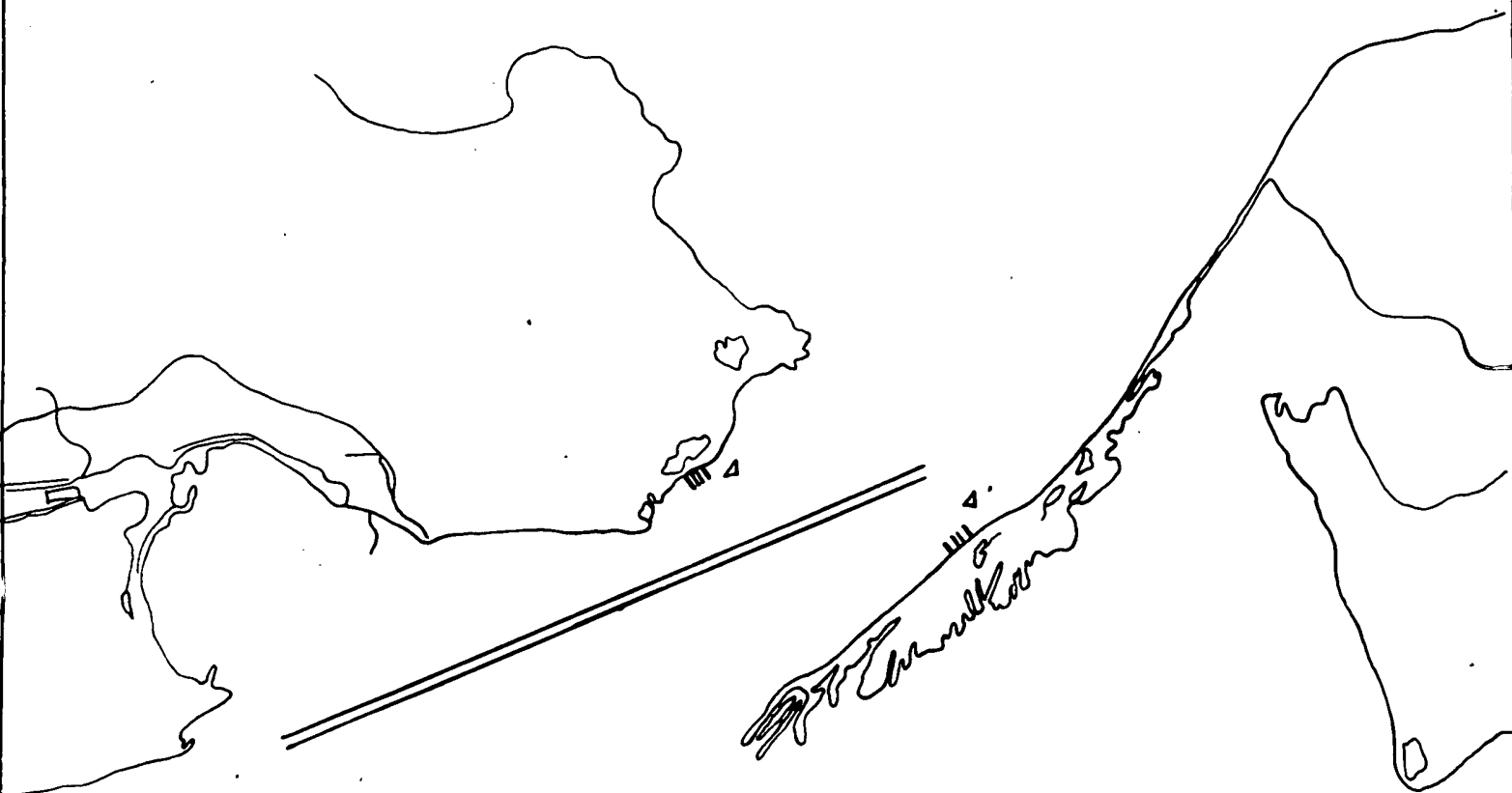
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DIAGRAM 2

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ATT#3

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ATT #6

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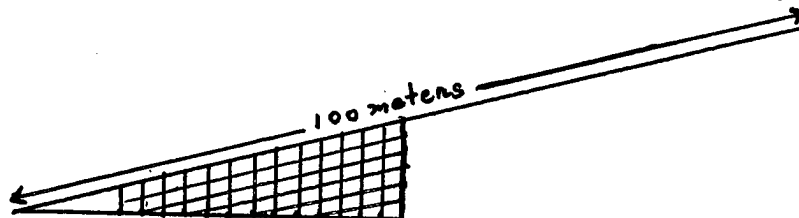
SUBJECT: Port KERCH and KAMISH BURUNSKI Area, Russia

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The following is supplementary information:

I- Port KERCH Area

The four immense cranes which were observed and mentioned had the following shapes:



Their use and other characteristics are lacking at present.

PETROLEUM TANKS

E- The capacity of the observed petroleum tanks was over 5000 tons.

Other distinctions are lacking at present.

II- FACTORIES

H- [redacted] there were railroad tracks, vehicles or trucks near the two single-storied and tiled covered buildings.

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I- K [redacted] very tall smokestack was constructed.

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white smoke was rising from it.

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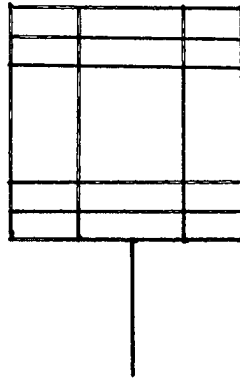
The netted squares on the reported poles had the following shape:

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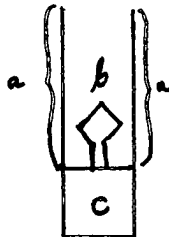
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V- Possible RADAR site (position).

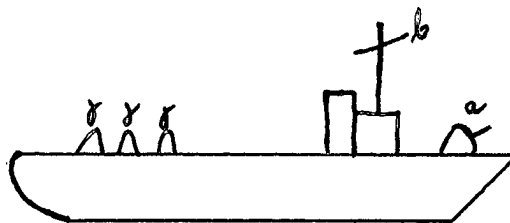
The exact shape of the observed RADAR antenna, including its base, has as follows:



VI- SIGHTED WARSHIPS

The warship which [redacted] was sailing up the straits of KERCH
had the following shape:

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- a) Small gun; probably 3inch.
- b) The sail square was white
- γ) Probably covered anti-aircraft guns.

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